

#2 OIPE

RAW SEQUENCE LISTING

DATE: 08/13/2001

PATENT APPLICATION: US/09/919,703

TIME: 11:41:49

Input Set : A:\50216.003004.SEQLIST.TXT

Output Set: N:\CRF3\08132001\I919703.raw

ENTERED

4 <110> APPLICANT: Krystal, Gerald
5 Rabkin, Simon W.
7 <120> TITLE OF INVENTION: Peptides and Their Use to Ameliorate
8 Cell Death
10 <130> FILE REFERENCE: 50216/003004
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/919,703
C--> 12 <141> CURRENT FILING DATE: 2001-07-31
12 <150> PRIOR APPLICATION NUMBER: US 09/294,457
13 <151> PRIOR FILING DATE: 1999-04-19
15 <150> PRIOR APPLICATION NUMBER: US 08/759,599
16 <151> PRIOR FILING DATE: 1996-12-05
18 <150> PRIOR APPLICATION NUMBER: US 60/008,233
19 <151> PRIOR FILING DATE: 1995-12-06
21 <160> NUMBER OF SEQ ID NOS: 16
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 6
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence ✓
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Synthetic polypeptide ✓
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35 1 5
38 <210> SEQ ID NO: 2
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40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence ✓
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47 Tyr Val Asp Val Asp Thr
48 1 5
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 6
53 <212> TYPE: PRT
54 <213> ORGANISM: Artificial Sequence ✓
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Synthetic polypeptide ✓
59 <400> SEQUENCE: 3
60 Thr Val Asp Val Glu Tyr
61 1 5
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 11
66 <212> TYPE: PRT ✓
67 <213> ORGANISM: Artificial Sequence ✓
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Synthetic polypeptide ✓
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73 Tyr Val Asp Val Asp Thr Asn Glu Leu Leu Lys
74 1 5 10
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79 <212> TYPE: PRT
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82 <220> FEATURE:
83 <223> OTHER INFORMATION: Synthetic polypeptide ✓
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87 1 5 10 15
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 20
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence ✓
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetic polypeptide ✓
98 <400> SEQUENCE: 6
99 Ser Val Asp Val Glu Tyr Thr Gln Phe Thr Asp Phe Arg Gly Lys Leu
100 1 5 10 15
101 Thr Lys Leu Leu
102 20
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 21
107 <212> TYPE: PRT ✓
108 <213> ORGANISM: Artificial Sequence ✓
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Synthetic polypeptide ✓
113 <400> SEQUENCE: 7
114 Ser Val Asp Val Glu Tyr Thr Val Gln Phe Thr Pro Leu Asn Pro Asp
115 1 5 10 15
116 Asp Asp Phe Arg Pro
117 20
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 20
122 <212> TYPE: PRT ✓
123 <213> ORGANISM: Artificial Sequence ✓
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Synthetic polypeptide ✓
128 <400> SEQUENCE: 8
129 Tyr Val Asp Val Asp Thr Asn Glu Leu Leu Lys Ser Glu Gln Leu Leu
130 1 5 10 15
131 Thr Ala Ser Glu
132 20
135 <210> SEQ ID NO: 9
136 <211> LENGTH: 20
137 <212> TYPE: PRT

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138 <213> ORGANISM: Artificial Sequence ✓
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 141 <223> OTHER INFORMATION: Synthetic polypeptide ✓
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 146 Thr Gly Asp Arg
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 155 <220> FEATURE:
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 159 Arg Leu Ile Leu Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala
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 161 Lys Glu Ala Glu
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 165 <210> SEQ ID NO: 11
 166 <211> LENGTH: 20
 167 <212> TYPE: PRT
 168 <213> ORGANISM: Artificial Sequence ✓
 170 <220> FEATURE:
 171 <223> OTHER INFORMATION: Synthetic polypeptide ✓
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 174 Glu Val Thr Glu Glu Glu Thr Val Pro Leu Lys Thr Leu Glu Ala
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 176 Met Ile Asp Glu
 177 20
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 181 <211> LENGTH: 413
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 185 <220> FEATURE:
 186 <223> OTHER INFORMATION: Synthetic polypeptide ✓
 188 <400> SEQUENCE: 12
 189 Ile Ala Gly Pro Glu Trp Leu Leu Asp Arg Pro Ser Val Asn Asn Ser
 190 1 5 10 15
 191 Gln Leu Val Val Ser Val Ala Gly Thr Val Gly Thr Asn Gln Asp Ile
 192 20 25 30
 193 Ser Leu Lys Phe Phe Glu Ile Asp Leu Thr Ser Arg Pro Ala His Gly
 194 35 40 45
 195 Gly Lys Thr Glu Gln Gly Leu Ser Pro Lys Ser Lys Pro Phe Ala Thr
 196 50 55 60
 197 Asp Ser Gly Ala Met Ser His Lys Leu Glu Lys Ala Asp Leu Leu Lys
 198 65 70 75 80
 199 Ala Ile Gln Glu Gln Leu Ile Ala Asn Val His Ser Asn Asp Asp Tyr
 200 85 90 95

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201 Phe Glu Val Ile Asp Phe Ala Ser Asp Ala Thr Ile Thr Asp Arg Asn
202           100           105           110
203 Gly Lys Val Tyr Phe Ala Asp Lys Asp Gly Ser Val Thr Leu Pro Thr
204           115           120           125
205 Gln Pro Val Gln Glu Phe Leu Leu Ser Gly His Val Arg Val Arg Pro
206           130           135           140
207 Tyr Lys Glu Lys Pro Ile Gln Asn Gln Ala Lys Ser Val Asp Val Glu
208 145           150           155           160
209 Tyr Thr Val Gln Phe Thr Pro Leu Asn Pro Asp Asp Asp Phe Arg Pro
210           165           170           175
211 Gly Leu Lys Leu Thr Lys Leu Leu Lys Thr Leu Ala Ile Gly Asp Thr
212           180           185           190
213 Ile Thr Ser Gln Glu Leu Leu Ala Gln Ala Gln Ser Ile Leu Asn Lys
214           195           200           205
215 Asn His Pro Gly Tyr Thr Ile Tyr Glu Arg Asp Ser Ser Ile Val Thr
216           210           215           220
217 His Asp Asn Asp Ile Phe Arg Thr Ile Leu Pro Met Asp Gln Glu Phe
218 225           230           235           240
219 Thr Tyr Arg Val Lys Asn Arg Glu Gln Ala Tyr Arg Ile Asn Lys Lys
220           245           250           255
221 Ser Gly Leu Asn Glu Glu Ile Asn Asn Thr Asp Leu Ile Ser Leu Glu
222           260           265           270
223 Tyr Lys Tyr Val Leu Lys Lys Gly Glu Lys Pro Tyr Asp Pro Phe Asp
224           275           280           285
225 Arg Ser His Leu Lys Leu Phe Thr Ile Lys Tyr Val Asp Val Asp Thr
226           290           295           300
227 Asn Glu Leu Leu Lys Ser Glu Gln Leu Leu Thr Ala Ser Glu Arg Asn
228 305           310           315           320
229 Leu Asp Phe Arg Asp Leu Tyr Asp Pro Arg Asp Lys Ala Lys Leu Leu
230           325           330           335
231 Tyr Asn Asn Leu Asp Ala Phe Gly Ile Met Asp Tyr Thr Leu Thr Gly
232           340           345           350
233 Lys Val Glu Asp Asn His Asp Asp Thr Asn Arg Ile Ile Thr Val Tyr
234           355           360           365
235 Met Gly Lys Arg Pro Glu Gly Glu Asn Ala Ser Tyr His Ala Tyr Asp
236           370           375           380
237 Lys Asp Arg Tyr Thr Glu Glu Glu Arg Glu Val Tyr Ser Tyr Leu Arg
238 385           390           395           400
239 Tyr Thr Gly Thr Pro Ile Pro Asp Asn Pro Asp Asp Lys
240           405           410
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245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Synthetic polypeptide
251 <221> NAME/KEY: VARIANT
252 <222> LOCATION: 1
253 <223> OTHER INFORMATION: Xaa=Ser or Tyr

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Input Set : A:\50216.003004.SEQLIST.TXT

Output Set: N:\CRF3\08132001\I919703.raw

255 <400> SEQUENCE: 13
W--> 256 ~~Xaa~~ Val Asp Val
257 1
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263 <213> ORGANISM: Artificial Sequence ✓
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Synthetic polypeptide ✓
268 <221> NAME/KEY: VARIANT
269 <222> LOCATION: 4
270 <223> OTHER INFORMATION: Xaa=Glu or Asp
272 <400> SEQUENCE: 14
W--> 273 Val Asp Val Xaa
274 1
277 <210> SEQ ID NO: 15
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279 <212> TYPE: PRT
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283 <223> OTHER INFORMATION: Synthetic polypeptide ✓
285 <221> NAME/KEY: VARIANT
286 <222> LOCATION: 1
287 <223> OTHER INFORMATION: Xaa=Ser or Tyr
289 <221> NAME/KEY: VARIANT
290 <222> LOCATION: 5
291 <223> OTHER INFORMATION: Xaa=Glu or Asp
293 <400> SEQUENCE: 15
W--> 294 Xaa Val Asp Val ~~Xaa~~
295 1 5
298 <210> SEQ ID NO: 16
299 <211> LENGTH: 5
300 <212> TYPE: PRT ✓
301 <213> ORGANISM: Artificial Sequence ✓
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Synthetic polypeptide ✓
306 <221> NAME/KEY: VARIANT
307 <222> LOCATION: 4
308 <223> OTHER INFORMATION: Xaa=Glu or Asp
310 <221> NAME/KEY: VARIANT
311 <222> LOCATION: 5
312 <223> OTHER INFORMATION: Xaa=Tyr or Thr
314 <400> SEQUENCE: 16
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316 1 5

VERIFICATION SUMMARY

DATE: 08/13/2001

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TIME: 11:41:50

Input Set : A:\50216.003004.SEQLIST.TXT

Output Set: N:\CRF3\08132001\I919703.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14

L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16